Change the resolution remotely

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Symptom(s):

Change the resolution remotely
Error: "setmon: must run on local hardware"
Error: "Out of Scan Range"
Cannot change the resolution of the screen in multi-user mode
The resolution has been set higher than the monitor can handle
Monitor out of scan range
Monitor set to unsupported resolution

Fact(s):

IRIX Operating Systems
Silicon Graphics Fuel
Silicon Graphics Tezro
Sony GDM-90W11 monitor
Silicon Graphics Octane 2
Sony GDM-5011P monitor
Odyssey (VPRO) Graphics
Infinite Performance (IP) graphics
setmon
Sony GDM-20E21 monitor
Sony GDM-4011P monitor
Sony GDM-5411P monitor
Sony GDM-2011P monitor

SGI Solution:

Log into the system remotely
1.cd /var/X11/Xvc/
2. Edit the TimingTable file
For 02 edit Crm0_TimingTable
For Indigo edit Impact0_TimingTable
For Octane with MXI/SI graphics edit Impact0_TimingTable
For Octane2, Fuel, or Tezro with VPro graphics edit Odyssey0_TimingTable

Note on Dual Head Octane systems you may need to create the timing table files required, one for the first head (Impact0_TimingTable) and one for the second head (Impact1_TimingTable). The file is just a simple text file with the resolution on the first line, the depth buffer value can be set on the second line for Vpro graphics.

vi [GraphicsType]_TimingTable

Edit the first line to a valid resolution
i.e.
1280x1024_60

3. Then restart the graphics on that machine:
(/usr/gfx/stopgfx; /usr/gfx/startgfx;) &

You should now be able to see the clogin screen on the affected machine, you can now log in and change the resolution using xsetmon.

Answers others found helpful

- Console error: "WARNING: MgrasCreateDDRN: kpoolHqVmMap exhausted"
- Run a butterfly test on a hard drive.
- How to change the default visual
- Display from a remote system to a local system

Additional Details

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